

AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION

Art Collins-President
68 Amber St.
Buffalo, 20 N.Y.

(TV-DX)

King Schafer-V.Pres.
360 Zimmerman Blvd.
Kenmore 17, N.Y.

Volume 8 Number 4

Page One.

April 6, '61

AIPA BULLETIN..Published first week of each month. 12 issues a year.
MEMBERSHIP...\$3.00 a yr.entitles one to monthly bulletins,report forms,
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EDITORIAL.

April is the month for your AIPA election of Officers and Board Members. As you know, there will be nine board members voted in as well as Pres. & V.Pres. Enclosed in this issue you will find a card to use for voting purposes. Please, lets all vote. (Dee Johnson has dropped the Western DX Column, but will be a candidate for board member)

The AIPA national convention to be held at Royal Oak, Michigan is our next important event to keep in mind. Preparations are now in the making for a worth while trip on your part. Bring your photos, verifications, and any DX material you may have. Members will be interviewed on tape, group photos will be made, and other interesting happenings

B.J.Bingham has been appointed chairman of a committee to conduct the affairs of Tape interviews, photos etc. This year we would like to have every one there on tape and in the group photos. On arrival of each and every member, they will be asked to register. Tom Hidley will assist in the taping, Dick Nieman and yours truly will do our best in photographing. All in all, we will have a good time. Dick Miller would appreciate a card from every member who plans to attend the convention, (this will give him some idea for preparation) please drop him a card !!!!

Dick has sent instructions as to how to get to his place, 823 Wyandotte in Royal Oak. When you get in Detroit proper- go out (north) on Woodward Ave to 10 Mile Road -turn east and go for $\frac{1}{2}$ mile until you come to Wyandotte on your left..2 $\frac{1}{2}$ blocks and your there.....

Remember the dates- July 29.& 30th. Hope to see you all there.

We have some reports of E-Skip. Ed Hepp in Tucson, one or two boys on the west coast, and the central states..Usually the south reports E's first, this may be because of no where to report ? To the DXers in the south---send your reports to Dick Nieman for the time being. By all indications, we hope for a good DX year. (By all reports, the coming years are to fall off in DX because of sun-spot activities) we hope not...

Welcome to the following new members and renewals...

David Nieman- 16 Wasson St. Buffalo 10, N.Y. New.

John W.Winegard Burlington, Iowa in for his 4th year.

Dick Miller for his 3rd yr.. John Opyd of Chicago, 3rd yr.

Mike O'Rourke, Mesick, Mich 5th yr. James Habermehl, Clarington, O. 5th yr.

John Black, London, Ont. 5th yr. Jim Dillon, Sask, Canada. 7th yr.

M.W.DeGeer Tulsa, Okla. for his 8th yr.

ADDRESS CHANGE ..Don Ruland 10,500 Crown Rd.Franklin park, Ill.

Congratulations are in order for Mr.&Mrs.Ed Hepp of Tucson who have become the proud parents of a baby girl.

Next month you will hear from King Schafer in the Editorial.

Art Collins.

TELEVISION DX RECORDS CH. 10			
CALL	LOCATION	DIST.	DXER
WALA	Mobile, Ala.	900	AC
KERO	Bakersfield, Cal.	45	DSm
KXTV	Sacramento, Cal.	234	DSm
KFSD	San Diego, Cal.	220	DSm
WGEM	Hannibal, Mo.	550	CH
WTHI	Terra Haute, Ind.(T)RN	505	NE
KAKE	Wichita, Kans.	690	BD
KLFY	Lafayette, La.	710	BJB
WMSB	Onadaga, Mich.	236	FW
WILX	" " (TIE)RN	290	NE
KROC	Rochester, Minn.	645	BM
KOLN	Lincoln, Neb.	1300	BD
KTEN	Ada, Okl.	750	DJa
WTEN	Albany, N. Y.	250	NE
WHEC	Rochester, N. Y.	143	FW
WVET	" " "	143	FW
KNOX	Grand Forks, N. D.	530	BD
KMOT	Minot, N. D.	205	JD
WBNS	Columbus, Ohio	395	BD
WFBG	Altoona, Pa.	725	EJB
WCAU	Philadelphia, Pa.	710	BD
WJAI	Providence, R. I.	530	CH
WBIR	Knoxville, Tenn.	619	BD
WKNO	Memphis, Tenn.	670	BD
KZTV	Corpus Christi, Tex.	1000	DR
WAVY	Portsmouth, Va.	595	DR
WSLS	Roanoke, Va.	663	BD
WMVS	Milwaukee, Wisc.	80	DSw
CFPL	London, Ont.	740	BJB
KTWX	Waco, Tex.	975	DR
CKGN	North Bay, Ont.(T)CB	500	DJa
KSTF	Scottsbluff, Neb.	820	DJa

New Record Holders:

Ch. 2-D. Johnson-10 Ch. 1-1
 Ch. 3-D. Johnson-6
 Ch. 4-D. Johnson-5, J. Parillo-1
 Ch. 5-D. Johnson-3, F. Wheeler-1
 Ch. 6-D. Johnson-3
 Ch. 7-D. Janowiak-2 D. Johnson-1
 Ch. 8-D. Janowiak-3
 Ch. 9-D. Janowiak-1
 Ch.10-B. Draeb-9, D. Smith, N. Erint,
 B.J.Bingham, D. Janowiak,
 F. Wheeler, D. Ruland-all 3.

Standings of Active Members next
 month also Ch. 11 and whatever new
 records are sent infor Ch. 2-10 if
 there is enough room.

Records taken from past Bulletins
 and cards and letters received by me.

Frank Wheeler Box 176, R. D.5
 Erie, Pa.

TELEVISION DX RECORDS CH. 2			
CALL	LOCATION	DIST	
WSB	Atlanta, Ga.	2200	DJo
WTWO	Bangor, Me.	2700	"
WMAR	Baltimore, Md.	2375	"
KTCA	St. Paul, Minn.	1475	"
KTVI	St. Louis, Mo.	1650	"
KNOP	North Platte, Neb.	1200	"
WUSN	Charleston, S. C.	2550	"
XEW	Mexico, Mex.	2400	"
CHBC	Kelwona, B. C.	325	"
KUT	Sante Fe. N. M.	1100	"
BBC	(CH. 1) London ENG.		"

CHANNEL 3

WSAV	Savannah, Ga.(T)EH	2400	"
WLBT	Jackson, Miss.	1950	"
KRTV	Great Falls, Mont.	575	"
WSIL	Harrisburg, Ill.	1850	"
WISC	Madison, Wisc.	1550	"
CMQ	Havanna, Cuba	2700	"

CHANNEL 4

WTTV	Bloomington, Ind.	1850	"
WDAF	Kansas City, Mo.	1500	"
KMOX	St. Louis, Mo.	1750	"
KPIC	Roseburg, Oreg.	200	"
KGNC	Amarillo, Tex.	1375	"
WOAI	San Antonio	1282	JPa

CHANNEL 5

KHAS	Hastings, Neb.	1300	DJo
KNME	Albuquerque, N.M.	1100	"
KFYR	Bismark, N. D.	1066	FW
XEJ	Juarez, Chih. Mex.	1300	DJo.

CHANNEL 6

KSYD	Wichita Falls, Tex.	1545	DJo
KPLO	Sioux, S. D.	1300	"
CHEK	Victoria, B. C.	285	"

CHANNEL 7

KOAM	Pittsburg, Kans.	560	DJa
KHQA	Hannibal, Mo.	300	"
KABC	Hollywood, Cal.	900	DJo

CHANNEL 8

WKBT	La Crosse, Wisc.	185	DJa
WGAL	Lancaster, Pa.	680	"
CKNX	Wingham, Ont.	330	"

CHANNEL 9

CKLW	Windsor, Ont.	300	DJa
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Be sure and send me your Ch.11-13
 and UHF Records, besides any you
 are able to beat Ch.2-10.

AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION

FCC NEWS.
MIS'L NEWS.

April 6, 1961

GRANTS.

Ch 10 Medford, Ore. (KMed)

APPLICATIONS.

Ch 29 (Ed) Buffalo, N.Y. 1Kw-300W.

(Expects to be on this fall.)

Ch 18 Austin, Tex. 18.48Kw-11.088K

Ch 17 (Ed) Schenectady, N.Y.

23.99Kw-10.47K

Russia is planning the world's tallest tower- 1,706 feet. this will top the now KFVS-TV tower which is 1,676 feet. The Moscow tower will have a restaurant and observation platform, an elevator that will travel 16 feet per second, less than two minutes from top to bottom.

The entire San Joaquin Valley in Calif. will be all UHF-TV., KFRE-TV Fresno, Cal has been permitted to operate on dual channels for time being -ch 12 and ch 30.

CBC Ottawa, Ont plans to apply for a new French language TV station at Quebec City, Que.

WIAH(TV) Ed station, ch 27 should be on at Norfolk, V. in a month or so...had transmitter trouble (as of March)

KTAL-TV ch 6 (old KCMC-TV) to NBC-TV summer of '61.

KFUR-TV ch 11 station for Sante, N. Mex.

KCDA-TV ch 3 Douglas, Ariz. now on the air (as of Feb. '61.)

WAUX-FM station (new...) 106.1mc. Waukesha, Wis. now on...

WITN-TV Washington, N.C. has begun construction of their new 1,521 foot tower. It is designed to stand up under 175 mile hour winds.

Requests to FCC WXIX-TV ch 18 Milwaukee, Wis wants ch 8 there and to operate dual channels also.

In the near future we can expect to witness a new sound in Radio, and on your present set. The networks have been two years experimenting along these lines. It will originate from the studio, thus giving your present set a HI-Fi effect. This, surely will apply to TV sets too.

The member-ship drive from Jan. to March was'nt so good...never-the-less we thank Tom Hidley for his efforts. and thanks to the few who did try. If at all possible, we still urge members to try for new members, if you have a friend that you can interest in TV-DX- please do so and talk AIPA to him.!!! It is gratifying to note that our members do continue to join year after year. there are very few that drop out at all.

Publicity through any Newspaper, magazine or what have you is the best way to keep the AIPA in the public eye. New members are encreased greatly by this means. Many members have seen to it that this means of add are keep going from time to time.

Does any one have any new ideas ? What would YOU like to see new incorporated in the issues? Suggestions and comments are always welcome here. This is your club, we only try to give you what you want, if we can. We have had suggestions for many things, such as pictures- now, can not be incorporated as it would call for a very expensive mimeograph machine etc.. so you see, we do only what we can. Many said it would be nice to have embossed seals, stickers, or emblems etc.. I started it going----GOT NO ORDERS ! Hi.

Art Collins.

"RANK COLUMN"

APRIL 1961

by Walter W. Spaulding

6

Mr David Swanson one of our newest members from Chicago has a very good report as follows

Total Stations seen to date ; 79

Verified(photo letter etc) 59

Total stations 2-6 : 39

Total Stations 7-13: 39 UHF 1

Channel	2	7	715 mls	WCBS-TV	New York City
Channel	3	7	940 mls	KBTX TV	Bryan, Texas
Channel	4	17	1280 mls	KGBT TV	Harlingen, Texas
Channel	5	4	260 mls	WLW-T	Cincinnati, Ohio
Channel	6	4	170 mls	WFBM TV	Indianapolis, Indiana
Channel	7	4	250 mls	KWWL TV	Waterloo, Iowa
Channel	8	5	365 mls	KRNT TV	Des Moines, Iowa
Channel	9	4	390 mls	WSTV TV	Stuebenville, Ohio
Channel	10	7	500 mls	WFBG TV	Altoona, Pa
Channel	11	7	360 mls	WTCN TV	Minneapolis, Minnesota
Channel	12	5	350 mls	KFVS TV	Cape Girardeau, Missouri
Channel	13	7	350 mls	KRCG TV	Jefferson City, Missouri
Channel	18	1	80 mls	WXIX	Milwaukee, Wisconsin

Total States seen 22

No Canadian or Mexican seen

Very good work David keep after it you will pass up Tom Hidley soon

Next report comes from up Wisconsin way Milwaukee(last place this yr)

KTVU	2	1900 miles	9/4/60	
XEW	2	1800 miles	6/17/60	
WSYR TV	3	600 miles	9/6/60	verified tropes
KRLD TV	4	1280 miles	6/?/60	WJXT 4 950 miles 6/60
WJAC TV	6	600 miles	8/18/60	tropes
WKBW	7	470 miles	7/20/60	tropes
KOMC TV	8	650 miles	8/1/60	tropes
KSTF	10	820 miles	8/1/60	tropes
WHAS	11	400 miles	6/1/60	tropes
CHEX	12	400 miles	8/?/60	tropes

Sign on and off times for the Milwaukee area

WITI	6	Sunday	0825 0200	Week days	0750 0100	Saturday	0825 0215
WTMJ	4		1000 0100		0700 0115		0800 0230
WISN	12		1025 0100		0920 0135		1015 0215
WMVS	10		none		0915 2130		none
WXIX	18		0215 0100		1700 0100		1700 0030

Both above members are planing to attend the convention soon coming.

John C Dyckman from Canfield Ohio has the following info from the Pittsburgh area

WTIC	/ 11	NBC	Pittsburgh	KDKA	/ 2	CBS	Pittsburgh
WTAE	/ 4	ABC	Pittsburgh	WQED	/ 13	NET	Pittsburgh
WJAC	/ 6	NBC	Johnstown	WTRF	/ 7	NBC	Wheeling
WSTV	/ 9	All	Stuebenville	WFBG	/ 10	all	Altoona

Thanks John I am sure some one will need this info.

Well don't forget this month is election time and we would like to hear each one of our members have voted. Also just a few months away is our next convention up in Royal Oak Michigan. I do know that I will be there if nothing happens that is. I would like to see at least 50 members present.

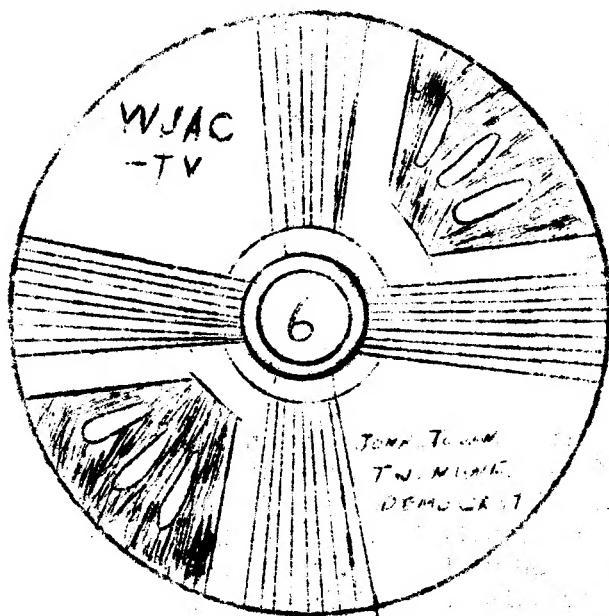
Your Rank Column Editor
Walter W. Spaulding Cardington, O.

EASTERN DX COLUMN

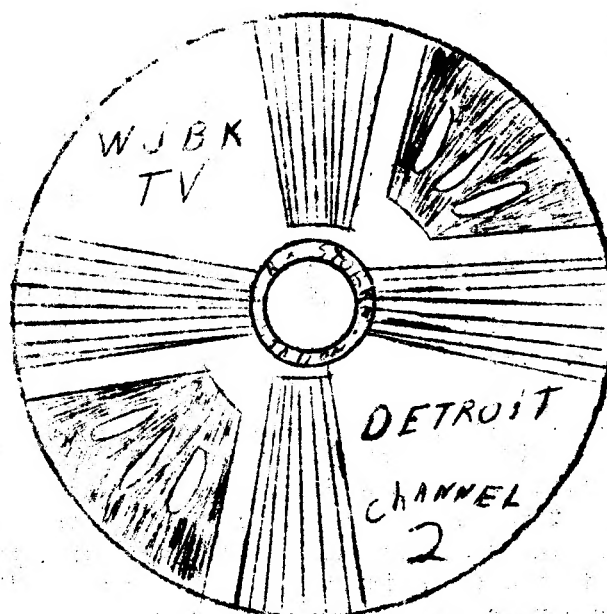
A.I.P.A.
Volumn 8 Number 4

April, 6, 1961
Compiled By; Dick Nieman

- * Thomas J. Hidley, Chicago, Illinois ----Ms. Feb. 26 WWL-4, Trops. WTVH-19, WMBD-31, WEEK-43, Mar. 1 WNDU-16, WSBT-22, Mar. 3 WMTV-33, WICD-24, WTVP-17, WICS-20, WPTA-21, WFAM-18, WSJV-28, Mar. 6 WLW-D-2, WLW-T-5, Mar. 12 WSPD-13, Mar. 14 KROC-10, Ms. Mar. 15 WMAR-2, Trops. Mar. 16 WEAU-13, Mar. 18 KWWL-7. Tom reports that KS2XBR Channel 38, is now on the air week days in North West Chicago. This station is on from 9:30 A.M. to 3:30 P.M. daily. Indian Head Test Pattern, With High F1. Music, or I D slide. Zenith Radio Corp. 6001 Dickens Ave. Chicago 39, Illinois. Toms log is at 142.
- * John C. Dyckman, Canfield, Ohio ----Trops. Mar. 3 WFMJ-21, Mar. 4 WKBN-27.
- * Frank Wheeler, Erie, Pennsylvania ----Feb. 4 Northern Lights Channels 2-6 Jumbled ! Feb. 6 WJIM-6 via. trops. Mar. 7 WNEM-5, Mar. 20 WNEM-5, Mar. 25 WJIM-6. His log is at 141.
- * David Pomeroy, Overland Park, Kansas ----NEW STATION ON THE AIR; KCSD-19. Educational station in Kansas City, Missouri. Testing from 8:30 am to 12:30am week days. Daves log is now at 97 with 1 new.
- * James F. Habermehl, Clarington, Ohio ----Jan. 5 Es. CJBR-3, CBHT-3, WLBZ-2, Jan. 9 KFDX-3, Feb. 9 WSYR-3. His log is at 46.
- * David J. Nieman, Buffalo, New York ----Trops. Mar. 26 CHEX-12, CJOH-13, WSEE-35, WKST-33. Daves log is now at 228 with one new.
- * Richard V. Nieman, Buffalo, New York ----Trops. Mar. 5 CJOH-13, Mar. 6 WQED-13, Mar. 19 Auroral skip CBUT-2 at (2, 156 miles), Trops. Mar. 19 CJOH-13, CKLW-9, WSEE-35, WINR-40, WSYL-18, WNBK-12, Mar. 26 CJOH-13, CHEX-12, WKST-33, Log is now at 268 with 2 new.



WJAC-tv channel # 6
Johnstown, Pennsylvania



WJBK-tv channel # 2
Detroit, Michigan

PA
RIL, 1961

FM-DX

David Janowiak
4312 So. 47 St.
Milwaukee, Wisc.

the time that this month's bulletin is read the spring tropo season should be under way. A skip season is one that may hold many surprises for the alert dxer. I hope that all of our members will spin the FM dials and get in on some good music and a lot of good dx. I expect the reports to be coming in here during the next six months or so. Meanwhile we have a few fellows logging some dx on the 88-108 band.

REPORTS

John Dyckman, Canfield Ohio, has not given up hope all thru the winter dx season as he has not in quite a few reports and information. The number of good days or the distance isn't too great. Importance, John, just as long as you keep listening.
Jan. 1 and 2, WPIC 102.9, Jan. 3, WKBN 98.9; Jan. 5 and 6, WSOM 105.1; Jan. 20, WRED 101.1; WBW 93.3; Jan. 21, WRED, 101.1; Jan. 25, WSOM 105.1; Feb. 9, WKBN, 98.9; Feb. 12, WSOM 106.7. John noted WSOM on quite a few days during Feb. A good music station what John calls WSOM. John now shows 26 FM stations logged with 21 verified.

Dennis Smith, our new Western editor sends in a report that KPOL- FM was logged on Feb. 26 to bring the old log up to 44. The station is located in Los Angeles. Dennis says that there has not been too much FM dx out that way lately. I surely hope that the trend will change soon. Dennis also sent in some station info which will come later.

STATION NEWS

1 news is in the air in the San Francisco area as KHYD 104.7 came on in February. There are several CP's for FM stations in the Fresno and Bakersfield area. Dennis Smith sent along this bit of timely info. Best of luck on the job of Western editor Dennis.

John Dyckman writes that these stations are currently on in the city of Pittsburgh;
10A 96.9 WKJF 93.7 WAZZ 105.9
10UQ 91.5 WPIT 101.5

Jim Hughes writes that an FM station in the Midland -Bay City area of Michigan should be on in the spring. 40 KW or better is planned for this station. Jim does some FM dxing on his car radio. On Feb. 20, he noted 14 FM stations! Most of these were Detroiters. I hope that you can get more fine catches on that car radio Jim.

Clinton Day of Westerly Rhode Island sends in the following info. WERI- FM 103.7 should be on the air in March. ERP will be 20 KW. Thank you for the station news Clinton. If anyone wants a Veri for this station you can try Robert Root, station manager, IIR Railroad Ave. Westerly, R.I.

SN- FM here in Milwaukee now transmits stereo broadcasts from 2-4 pm cst on Sunday. I had the opportunity to tour the transmitting facilities of WISN. The trip was as a result of my completion of a course in AM-FM transmitters at the Milwaukee School of Engineering. I was amazed at how all the equipment was put into such a small building. Up to three months ago, the building was used just for transmitting, but when WISN went to FM, they moved the studios out to the transmitter site. The record library was quite fascinating and all those tape recorders had my head swimming. We learned a lot about the "red tape" involved in commercial broadcasting.

Best of dx,
Dave

MAGNETIC RECORDING

Magnetic recording has virtually replaced disk recording for all original work in theaters and radio -television studios. Magnetic recording has found a home as a part of the stereo sound systems of many hi-fi bugs. This article will be an attempt to bring out in basic language just how the audio is impressed, replayed and erased on standard tape machines.

The first question in the mind's of most people would undoubtedly concern the manner in which the simple looking tape becomes sensitive to audio tones. The tape itself is coated with an oxide of some metallic substance. As a recording session commences, the tape is fed first thru an erase head just prior to running under the actual recording head. Any existence of foreign sounds are removed in this manner. The recording head has been magnetized by current from the recording amplifier. The tape that leaves this head has a definite magnetic pattern.

The process involved in obtaining this magnetic pattern can easily be seen by recollection of the age old trick of dumping iron filings onto a paper and passing a bar magnet near the paper. A strange pattern can be observed as the filings align themselves due to the presence of the magnetic field. The tape, before magnetization, has on its surface many unorganized "domains" which can be looked upon as iron filings in our example. After the magnetic field is applied, the domains align themselves according to the respective field strength. This alignment of domains determines the tone, frequency, and all other qualities associated with audio reproduction. The tape itself is said to exhibit a high degree of hysteresis, that is, it can hold its magnetic properties.

Since the magnetic field was responsible for the proper alignment of the domains, it can easily be deduced that another magnetic field would re-align the domains again. The erase head uses the principle that complete erasure can be obtained by taking the magnetic induction up to its saturation value and exposing the tape to a field that decreases gradually to zero as an element moves out of the erase gap.

On numerous occasions, especially in the early days of radio, tapes were often sent thru the mails. Unless these tapes were properly marked, they were often times carelessly tossed around at the post office and the result was that they would come into contact with some highly magnetized machine. Upon arrival at the station it was found that nearly the entire tape had been erased.

The basic tape system can be traced thru and found to contain the following; recording microphone, record amplifier, which goes to the recording head, erase head oscillator, which goes to the erase head, and finally the replay head which is fed thru an accurately designed amplifier.

Probably one of the earliest problems involved with tape recording came from the noise created by the drive mechanism and the rather noisy amplifiers at the replay head. After years of development it was found that spacing of heads, friction, soft surfaces, oscillations due to tape motion etc., all added to the noise of the drive mechanism. These bugs have now been ironed out in present day tape systems, yet the price paid for a tape system is largely determined by the type drive it has.

The problem of a low noise pre-amp and amplifier was easily eliminated by using dc filaments, low ripple power supplies, wire wound resistors, and by shock mounting the circuitry. The pre-amplifier that follows the replay head exhibits a very low gain, but the signal fed to it from the replay head is also very small. The function of the play-back head is to detect small changes of flux and feed the low voltage signal to the pre-amplifier.

Such terms as wow and flutter are values or percentages of a change in speed due to an irregularity in the drive mechanism. A change in speed can be detected by the human ear and this effect can ruin a certain selection of music.

D.J.

1

"Your AIPA Monthly Meteor Scatter Column"

Conducted by: Billy Draeb Ellis Street Kewaunee, Wis.

Dx doesn't seem to have been much good during the past month as the reports recieved here indicate---here they are.....

Dave Swanson, Chicago, Ill.--- March 15th# WKTV-2(new for Dave). The reason Dave doesn't have a longer report is because he had to take his antennas down in order to mount new ~~#####~~ mounts on his house to handle the added weight of both his UHF & VHF antennas.

Peter Gaddy Jr., Elmhurst, Ill.---Mar. 4th WTAR-3(new), WKY-4; Mar. 21 WWL-4. Thanks alot Pete. As soon as the weather gets better Peter plans on putting up two antennas(new ones I assume); a VHF and a UHF antenna.

Ferdinand S. Dombrowski Jr., Okauchee, Wisc.---Jan. 1sr WTIC-3; Jan. 22 nd WTIC-3; Feb. 17th KFDX-3; Feb. 19th WTIC-3. Thanks Ferdie.

Billy Draeb Kewaunee, Wis.--- Mar. 8th WKY-4; March 22nd WTAR-3; Mar. 24th WKY-4.

The latest standings now in my Ms contest are as follows-----

Richard Nieman---82	Don't forget now that my Ms contest ends on
Dave Swanson---41	May 15, 1961. The prize money(\$5.00) will
John Cody---33	be sent to the Winner(the Dxer that has the
Peter Gaddy Jr.---22	most points) after I recieve all the report
Jim Grover---7	s for the June bulletin(by May 25th). No
T.J. Hidley---6	late reports will be counted should they
Ferdinand Dombrowski Jr. 4	contain stations that have points. In other
<u>Billy Draeb---54</u>	words, my Ms contest ends as of May 15 and
	any reports recieved after May 25 that con-
	tain stations with points conected with same will not be counted.

I have here some detailed dope on the Lyrids Meteor Shower which comes up on April 19th accoring to the Almanac. The Almanac says, "The meteors of the Lyrid shower appear in the Northeastern sky after midnight". Seeing that the 19th is on a Wednesday I don't suppose many of us will be able to watch for any great length of time after midnight.

Well, I had my troubles during the past month. I had to take my antenna down twice. My rotor went on the blink both times. It's working O.K. now though(so far).Hi! I still got my fingers crossed though.

The Es season should be getting under way soon so keep your eyes open and your tube on. On the other hand until then keep your eyes open for Ms.

If Richard Nieman wonders why I didn't send in any Eastern Dx report(that is, a report for him the Eastern Dx editor) is because of the rotor trouble I had and because there wasn't much DX around.

I might as well mention the May Acuarids meteor shower here which occurs May 1-8. The meteors of this shower can best be seen in the East after midnight.

I guess that's it for another month. Keep your eyes glued to your tube and 73's.

LNI

INTERNATIONAL NEWS & DX
April 6, 1961 (#7)

1335 Road B, Okauchee, WIS
Ferdinand Dombrowski Jr.

Here it is, another month and again I don't have much to report. Next month I'll have some notes from the latest issue of the technical review of the European Broadcasting Union. They notified me that my subscription has been received for a year's list and supplements to their annual TV station list, beginning in May. It will keep me up to date on the fast-expanding European TV scene.

Two interesting notes received on SW lately: a new trans-atlantic cable is being laid, and the man interviewed on the BBC believes it will speed telephone calls although probably will not provide for direct distance dialling at this time. The cable apparently is big enough to handle TV but he didn't mention if it would be so used. WRUL (short wave), toured the IRE show in NYC.

CANADA: CFTM-10, French sta. in Montreal went on Feb. 19th. CFTM-5 CBC-owned sta. in Edmonton will begin operation Sept. 1st with 318kw. The second TV network must sign 6 of the 8 "2nd sta.'s" before it can begin operation, and they must be on the air by Aug. 5 are signed already: CJAY-8, CHAN-8, CFTM-3, CFTM- and CJCH- The netw. will begin with 10 hours a week and eventually have 28, according to present plans.

VENEZUELA: ABC's new affiliate in Caracas is commercial station "VeneVision S.A." No ch. given; on the air in late February. 3 transmitters were ordered from Barconi so 2 more stations are evidently under construction there.

IRE: the Republic of Ireland will have TV before the year is over. The first station will be in Dublin, on 405 lines, and relays will be built in southern Eire soon thereafter. They decided to adopt 405 lines, at least temporarily, because 100,000 such receivers are already in use receiving TV from Britain.

Britain: the BBC says it will have 37 stations operating by the end of 1961, and 48 by Jan 1, 1963. For the latter date, the ITA announced it will have 21. The BBC is concentrating on low power satellites and translators to fill in shadow areas, while the ITA is still working on its basic network. I won't list the new stations now as they aren't receivable here.

"Wireless world" has a few interesting notes in its Feb. and March issues. One is a letter from me with the AIPA address. Evidently I forgot to mention that I have already seen London which would be an important point to mention. The columnist asked if there are any Americans enthusiastic enough to buy a British receiver. I can think of only one person who has a European rx and he got a Dutch All-standard rx rather than a British 405 7 line-only rx.

More Britons are joining the bandwagon for retention of 405 lines for the time being. They are basically the same in their belief that the cost would be prohibitive relative to the results, and they all agree that 625 lines may not be the answer either. Color TV is also entering the discussion, too. they're getting impatient for it.

The present French network as you know is 819 lines. However, the 2nd network may be 625 lines, because they've found they are at a disadvantage when they try to sell or exchange their programs. Belgium now operates on dual standards with no trouble or inconvenience so dual standard receivers aren't new. More comments on this next month. 73s.

" AMERICAN IONOSPHERIC PROPAGATION ASSOCIATION "

APRIL 6, 1961

" YOUR AUNT TENNA "

Good television reception starts with a good quality antenna. Correct installation. Well insulated twin line twisted like a ribbon. Spaced stand off insulators at least five feet apart. Swaying twin lines during strong winds will destroy picture value. Lines will show up across the picture tube. If you have to cross any water pipes, metal air ducts, or gutters, do so at a sharp angle, do not parallel them. The quad line from Rotor motor should go down the center of your tower, and should not parallel your twin line. Quad line should enter through wall separately away from twin line, otherwise you will have interference while your motor is turning the antenna. Your antenna is an important factor in obtaining good TV reception. Safe guard your TV set with a lightning arrestor. Another one for your quad line. An iron rod or pipe can be driven into the ground four or five feet deep. Clamp a heavy copper wire to rod or pipe to the lightning arrestor. Of course you can clamp it to your water pipe. 128

Height has a lot to do with TV reception. Antenna should be mounted above the tree tops, and should be enough distance away from trees. If an unsatisfactory signal to noise ratio exists at the antenna, no installation tricks or special devices can cure it. Your receiver will pick up only what is there to receive. Taco now manufactures a 64 element screen array bow ties for channels 70 to 83. Educational TV. The cost is moderate, only \$582.50 net. Ha! Ha! Who has that kind of money? Of course most of us wouldn't mind owning one that would cover UHF channels 14 to 83. This might help to get UHF Stations 500 miles distance. Perhaps gain at least 10 more TV stations to our loggings.

The subject of antennas has appeared before in the AIPA Bulletin. Since then others have joined the ranks of The AIPA, and I feel that this information will be a benefit to them.

Several times I have been asked about Ionospheric. Ionosphere: A layer of ionized air existing around the earth's surface. The Ionosphere contains positively, and negatively charged particles which are free to move. The ionosphere acts as a conducting surface. When an electromagnetic wave hits the ionosphere, it is reflected back to earth. The reflection from the ionosphere, it is possible for a wave from a low powered transmitter to be received a great distance from the transmitter. A more powerful station transmitter, it is possible for it to bounce several times. DXers say this is a double hop, or skip. The transmitting antenna radiates waves at many angles. The reflected sky wave may follow many paths. Any radiation that hits at an angle will reflect back to earth, but those at a greater angle away from the earth than the critical ones will not be reflected.

I wish all of you good luck with your skips this year, and hope you can add to your collection of loggings.

With warmest regards.

Thomas J. Hidley

"TV CORNER"

"AREN'T WE ALL"? A teacher asked the children for sentences in which the word "beans" was used. "My father grows beans," came the answer by a bright boy of the class. "My mother cooks beans," from another pupil. "My sister came out of a beauty shop with a baked bean," was the answer of a little girl. The fourth youngster piped up: "We are all human beans."

P.S. Where is THE 1960 CONVENTION TAPE, I MADE AT JOHN OPXD'S PLACE?
TH.

6117 N. Canfield Avenue

Chicago 31, Illinois

April 1961

First of all, I would like to thank those who have wished me the best of luck with the Western DX Column, and special thanks to Art Collins and Dee Johnson with their suggestions--which were most helpful, since I have never worked with a stencil before. I only hope I can do as well a job as your most capable former editor has.

All members west of the Mississippi may send their TV-DX reports to this column. These reports can include TV-DX of both Tropospheric Bending (trops) and Sporadic-E skip (Es): if possible, Meteor Scatter reports should go to the MS Column, and, of course, FM-DX to the FM-DX Column.

Of the reports that were sent here this past month, there was one date on which Es occurred--March 12. This one was certainly out-of-season, though--but it shouldn't be much longer before the DX season is upon us, and I hope it provides the West with more skip than last summer did. Now to the reports.

Your former editor, Dee Johnson, says that DX is rather quiet in Longview, Washington--a bit of MS on various days from CKCK-2, KTVU-2, KTWO-2, KCKT-2, KDIX-2, and trops from KREM-2, Spokane at 300 miles. Her total remains at 149. Dee also says that it has been raining and raining there...almost 12 inches in February. Wish you could send some of that rain down here, Dee--we could sure use it..hi..

Allan Preston of San Francisco reports that he has almost 2 weeks vacation starting March 26--he will spend some of that time with his folks at Turlock, California, where he has logged all of his DX... he expects to see Fresno's new KPFE-30, which will be his 45th station.

From up in Vancouver, B.C., Jim Dillon says DXing has been poor during this winter, because of his locals and his aging equipment, and especially school work. Better luck in the coming weeks, Jim.

Dave Combs from Columbia, Missouri has a little DX to report, in the form of some MS on March 12, but no IDs, as the bursts were very short.

Eric Norberg is a new member, from Carmel, California. Eric has seen 34 television stations in Carmel, as well as many FM stations. He is now a freshman at Pomona College at Claremont in southern California, where he is engaged in electronics and broadcasting--and is quite active in the operation of Pomona College's FM station, KSPC on 88.9. He has a Granco FM receiver at Pomona, and has heard 43 FM stations so far. Hope there is some DX waiting for you when you are home for Easter, Eric.

Your editor in Wasco, California reports DXing down for the most part, but did see an Es opening on March 12, when KTWO-2 was IDed. This came at a busy time of the evening, however, and I got only one ID, even though the MUF was up into ch. 6. Log is still 99.

AIPA

WESTERN DX, continued

Dennis Smith
450 Poplar Ave.
Wasco, California

April 1961

We are still planning for this summer's WESTERN AIPA CONVENTION... and so far there hasn't been much response either way. Morris Foote has offered to host the Convention at Middleton, Idaho (near Boise), and I would like to have it here in Wasco, if anyone would care to come. Please write and let us know where you would like to have it, among these two places. Dave Crockett of Burlingame, California, writes and wonders about the possibility of a Western Convention trip to the nation's highest point (outside Alaska), Mt. Whitney... a trip like this would certainly require much planning, and perhaps a bit of money, too..and if that could not be done this year, perhaps next year--(Have any of you climbed Mt. Whitney?) Run these things through your mind a time or two, and tell us what you think--and let us know where you want this year's Western AIPA Convention.

Much has happened in this area in television. KFSD-TV 10 San Diego, Calif. changed call to KOGO in March. And, KBAK-TV 29 in Bakersfield, Calif. began full operation on Mar. 20 from its new 117 kw xmtr on Mt. Breckenridge, 22 miles east of Bakersfield and more than 7600 feet above sea level, to replace its old 20 kw facility on a hill just north of town (1320 feet elevation). This makes KBAK-TV the highest UHF TV xmtr in the country. And, KFRE-TV Fresno, telecasting dual on chs. 12 (316 kw) and 30 (1,392 kw) as this is written, will probably be on ch. 30 alone when this is read. An item from our local paper said that the FCC has set the changeover date at Dec. 1, 1962, for the Fresno-Bakersfield area to be made all-UHF, which means KERO-TV 10- at Bakersfield will move to UHF (but will they? ?). Channel 12 goes to Santa Maria.

Please remember in the month of April to vote in the Election of the officials in your club. This includes the president, vice-president, and nine board members. The post card ballot is right here with the Bulletin, all ready for you to simply fill in with your choices and drop in the old mail box. In the past couple of years, members voting in the AIPA Election hasn't been over 50%. I'm sure it is absolutely impossible to expect a 100% vote--so I'll be happy to see just 95%.....

Congratulations to Mr. and Mrs. Ed Hepp of Tucson, Arizona, on the birth of a BABY GIRL on March 7. A new junior-AIPAer for us--hey, Ed? Also, look for Ed this summer via skip, as he is an announcer at KVOA-4 and will be on-camera for spot commercials, at nights on Tuesday, Friday, Saturday, and Sunday every week.

Again, thanks to everyone who has wished me the best of luck with the column.

Best of DX to all

Dennis

American Ionospheric Propagation Association April 6, 196D
Co-Channel Interference Column----Bedford P. Brown, Jr.
2505 Rio Grande, Austin 5, Texas

HELP, PLEASE John C. Dyckman, 318 Fairview Avenue, Canfield, Ohio
received not one card with a verie-signer for X WSPD-TV, channel 13.
Can someone who has a signer please PLEASE help John. Thanks.

DONALD RULAND'S ADDRESS:

10500 Crown Road, Apartment 7, Franklin Park, Illinois

ELECTION TIME

It's time once again for AIPA elections. Our number of board mem-
bers this year has been increased to nine. Ballots will be enclosed
in your April bulletin. Mail ballots to: Bedford Brown, Jr.,
2505 Rio Grande, Austin 5, Texas.

The Ballots should read as follows:

President: _____ Vice-President: _____
Board Members: (nine) _____

A list of those A.I.P.A. members eligible for the election will be
published in the bulletin. Only these members can receive votes.
Also please remember that a president or vice-president cannot serve
as board members.

LESS ~~XXXX~~ THAN 50 PER CENT OF AIPA VOTED IN LAST YEAR'S ELECTION.

PLEASE VOTE....Best dx and 73's for now, Bedford Brown, Jr.

